

ABSTRACT OF THE DISCLOSURE

5 So that the electrolyte membrane of a fuel cell in the inlet area of the fuels does not dry out, a humidity circuit is provided on the cathode side and/or anode side, by means of which e.g. a fluid entering the cell on the cathode side is first humidified, so that the membrane itself no longer discharges any humidity to the fluid, but can absorb it if required and thus does not dry out.